	What is claimed is:
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2	1. An apparatus comprising:
3	a memory storage structure to hold a bundle of instructions;
4	a buffer, the buffer including an information field, the buffer further including a no-
5	operation instruction (NOP) indicator field; and
6	folding logic to place, responsive to a NOP in the bundle, a "present" value in the NOP
7	indicator field.
1	2. The apparatus of claim 1, wherein:
2	the folding logic is further to allocate the information field for a non-NOP instruction in
3	the bundle.
1	3. The apparatus of claim 1, wherein:
2	the folding logic is to place, responsive to a first NOP in the bundle, a "present" value in
3	the NOP indicator field; and
4	the folding logic is further to allocate the information field for a second NOP instruction

4. The apparatus of claim 1, wherein:

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in the bundle, responsive to all instructions in the bundle being NOP instructions.

1	5. The apparatus of claim 1, wherein:
2	the buffer is to hold a plurality of entries.
1	6. The apparatus of claim 1, wherein:
2	the buffer entry includes a plurality of NOP indicator fields, the number of NOP indicator
3	fields being n-1, where n is the number of instructions in the bundle.
1	7. The apparatus of claim 6, wherein:
2	each of the plurality of NOP indicator fields corresponds to an instruction in the bundle;
3	and
4	the folding logic is to place, responsive to each of a plurality of NOP instructions in the
5	bundle, a "present" value in the NOP indicator field corresponding to the respective NOP
6	instruction.
1	8. The apparatus of claim 5, wherein:
2	the information field of each buffer entry is capable of holding a result of an instruction
3	in the bundle.

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the memory storage structure is a queue to hold a plurality of bundles.

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- 9. The apparatus of claim 5, wherein: 1 the information field of each buffer entry is capable of holding a decoded instruction. 2 10. The apparatus of claim 5, wherein: 1 the information field of each buffer entry is capable of holding a decoded micro-2 operation. 3 11. A method comprising: 1 determining a number x of no-operation (NOP) instructions in a bundle, the bundle 2 having a plurality (n) of instructions, wherein  $0 \le x \le n$ ; 3 allocating an entry in a buffer; and 4 providing, if x>0, a "present" value in an indicator field of the entry to specify a NOP 5 instruction in the bundle. 6 12. The method of claim 11, wherein allocating further comprises: 1 2 if x = 0, allocating a corresponding entry in the buffer for each of the n instructions. 1 13. The method of claim 11, wherein providing further comprises:
- providing, if x = n, a "present" value in each of n-1 indicator fields of the entry to 2 specify n-1 NOP instructions in the bundle. 3

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The method of claim 11, wherein allocating further comprises: 14. if 0<x<n, allocating a corresponding entry in the buffer for each of the x non-NOP 2 instructions in the bundle. 3 15. The method of claim 14, wherein providing further comprises: 1 providing, if 0<x<n, for each NOP instruction in the bundle a "present" value in a NOP 2 indicator corresponding to the NOP instruction, the corresponding NOP indicator being 3 included in one of the x allocated buffer entries. 4 16. 1 A system, comprising: a dynamic random access memory to store a bundle, the bundle including a plurality of 2 instructions; and 3 folding logic to allocate a buffer entry for one of the instructions, wherein the buffer entry includes a NOP indicator field; 5 the folding logic to place a "present" value in the NOP indicator field responsive to the 6 7 presence of a NOP instruction in the bundle. 1 17. The system of claim 16, wherein folding logic is further to allocate a buffer entry for a non-NOP instruction of the bundle. 2

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- 18. 1 The system of claim 16, wherein folding logic is further to allocate a buffer entry 2 for a NOP instruction of the bundle. 19. The system of claim 17, wherein the folding logic is further to place a "present" 1 value in the NOP indicator field responsive to the presence of a second NOP 2 instruction in the bundle. 3 20. The system of claim 16, wherein: 1 2 the bundle includes n instructions; 3 the entry includes n-1 NOP indicator fields; and folding logic is further to indicate the presence of a plurality x of NOP instructions in the 4 5 bundle, wherein  $2 \le x \le n-1$ , by placing a "present" value in each of x indicator fields.
- folding logic is further to place the "present" value for a selected one of the x NOP 2 instructions into a selected one of the x indicator fields such that the selected indicator field 3 maps to the location of the selected NOP instruction within the bundle. 4

The system of claim 20, wherein:

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